

IN THE CLAIMS

Please amend claims 1, 9, 11, 15, 23, 25, and 29 as indicated below.

Please add new claims 30 - 57 as indicated below.

1. (Currently Amended) A method comprising:

receiving a JPEG 2000 codestream of compressed image data having sideband information hidden in a sideband area of the codestream, the sideband information including information indicating how at least a portion of the codestream is to be decompressed therein;

and

decompressing the codestream based on the sideband information retrieved from the sideband area of the codestream.
2. (Original) The method defined in Claim 1 wherein the sideband information is stored in a marker from the group of markers that includes PPM, PPT, PLM, PLT, QCD, QCC, POC markers.
3. (Original) The method defined in Claim 1 wherein the sideband information is stored in a packet header.
4. (Original) The method defined in Claim 1 wherein the sideband information is stored at the end of a packet header rounding information in the header to a byte boundary.
5. (Original) The method defined in Claim 1 wherein the sideband information is stored after the last packet but before a next tile.

6. (Original) The method defined in Claim 1 wherein the sideband information is stored in packet header Lblock signaling.
7. (Original) The method defined in Claim 1 wherein the sideband information is stored in the arithmetic coder (AC) termination information.
8. (Original) The method defined in Claim 1 wherein the sideband information is stored in the Least Significant Bit parity information for at least one codeblock.
9. (Currently Amended) ~~The method defined in Claim 1~~ A method comprising:
receiving a JPEG 2000 codestream of compressed image data having sideband
information hidden therein; and
decompressing the codestream based on the sideband information,
 wherein the sideband information is provided via inclusion in the codestream of a non-minimal tag tree construction.
10. (Original) The method defined in Claim 1 wherein decompressing the codestream comprises decompressing the codestream using hints stored in the sideband information.
11. (Currently Amended) The method defined in Claim ~~[[1]]~~ 10 wherein the hints comprise at least one of decoding, segmentation, and ~~[[or]]~~ filtering hints.

12. (Original) The method defined in Claim 11 wherein the sideband information comprises security information.
13. (Original) The method defined in Claim 11 wherein the sideband information comprises codestream identification information.
14. (Original) The method defined in Claim 11 wherein the sideband information comprises post-processing hints.
15. (Currently Amended) An apparatus comprising:
means for receiving a JPEG 2000 codestream of compressed image data having sideband information hidden in a sideband area of the codestream, the sideband information including information indicating how at least a portion of the codestream is to be decompressed therein; and
means for decompressing the codestream based on the sideband information retrieved from the sideband area of the codestream.
16. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored in a marker from the group of markers that includes PPM, PPT, PLM, PLT, QCD, QCC, POC markers.
17. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored in a packet header.

18. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored at the end of a packet header rounding information in the header to a byte boundary.
19. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored after the last packet but before a next tile.
20. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored in packet header Lblock signaling.
21. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored in the arithmetic coder (AC) termination information.
22. (Original) The apparatus defined in Claim 15 wherein the sideband information is stored in the Least Significant Bit parity information for at least one codeblock.
23. (Currently Amended) ~~The apparatus defined in Claim 15~~ An apparatus comprising:
means for receiving a JPEG 2000 codestream of compressed image data having
sideband information hidden therein; and
means for decompressing the codestream based on the sideband information,
wherein the sideband information is provided via inclusion in the codestream of a non-minimal tag tree construction.

24. (Original) The apparatus defined in Claim 15 wherein the means for decompressing the codestream comprises means for decompressing the codestream using hints stored in the sideband information.

25. (Currently Amended) The apparatus defined in Claim ~~[[15]]~~ 24 wherein the hints comprise ~~means for~~ at least one of decoding, segmentation, and ~~[[or]]~~ filtering hints.

26. (Original) The apparatus defined in Claim 25 wherein the sideband information comprises security information.

27. (Original) The apparatus defined in Claim 25 wherein the sideband information comprises codestream identification information.

28. (Original) The apparatus defined in Claim 25 wherein the sideband information comprises post-processing hints.

29. (Currently Amended) An article of manufacture comprising at least one recordable media storing executable instructions thereon which, when executed by a processing device, cause the processing device to:

receive a JPEG 2000 codestream of compressed image data having sideband information hidden in a sideband area of the codestream, the sideband information including information indicating how at least a portion of the codestream is to be decompressed therein;
and

decompress the codestream based on the sideband information retrieved from the sideband area of the codestream.

30. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored in a marker from the group of markers that includes PPM, PPT, PLM, PLT, QCD, QCC, POC markers.

31. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored in a packet header.

32. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored at the end of a packet header rounding information in the header to a byte boundary.

33. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored after the last packet but before a next tile.

34. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored in packet header Lblock signaling.

35. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored in the arithmetic coder (AC) termination information.

36. (New) The article of manufacture defined in Claim 29 wherein the sideband information is stored in the Least Significant Bit parity information for at least one codeblock.

37. (New) An article of manufacture comprising at least one recordable media storing executable instructions thereon which, when executed by a processing device, cause the processing device to:

receive a JPEG 2000 codestream of compressed image data having sideband information hidden therein, and

decompress the codestream based on the sideband information, wherein the sideband information is provided via inclusion in the codestream of a non-minimal tag tree construction.

38. (New) The article of manufacture defined in Claim 29 wherein decompressing the codestream comprises decompressing the codestream using hints stored in the sideband information.

39. (New) The article of manufacture defined in Claim 38 wherein the hints comprise at least one of decoding, segmentation, and filtering hints.

40. (New) The article of manufacture defined in Claim 39 wherein the sideband information comprises security information.

41. (New) The article of manufacture defined in Claim 39 wherein the sideband information comprises codestream identification information.

42. (New) The article of manufacture defined in Claim 39 wherein the sideband information comprises post-processing hints.
43. (New) An apparatus, comprising
a decoder to receive a JPEG 2000 codestream of compressed image data having sideband information hidden in a sideband area of the codestream, the sideband information including information indicating how at least a portion of the codestream is to be decompressed, and to decompress the codestream based on the sideband information retrieved from the sideband area of the codestream.
44. (New) The apparatus defined in Claim 43 wherein the sideband information is stored in a marker from the group of markers that includes PPM, PPT, PLM, PLT, QCD, QCC, POC markers.
45. (New) The apparatus defined in Claim 43 wherein the sideband information is stored in a packet header.
46. (New) The apparatus defined in Claim 43 wherein the sideband information is stored at the end of a packet header rounding information in the header to a byte boundary.
47. (New) The apparatus defined in Claim 43 wherein the sideband information is stored after the last packet but before a next tile.

48. (New) The apparatus defined in Claim 43 wherein the sideband information is stored in packet header Lblock signaling.

49. (New) The apparatus defined in Claim 43 wherein the sideband information is stored in the arithmetic coder (AC) termination information.

50. (New) The apparatus defined in Claim 43 wherein the sideband information is stored in the Least Significant Bit parity information for at least one codeblock.

51. (New) An apparatus, comprising:

a decoder to receive a JPEG 2000 codestream of compressed image data having sideband information hidden therein, and to decompress the codestream based on the sideband information, wherein the sideband information is provided via inclusion in the codestream of a non-minimal tag tree construction.

52. (New) The apparatus defined in Claim 43 wherein decompressing the codestream comprises decompressing the codestream using hints stored in the sideband information.

53. (New) The apparatus defined in Claim 52 wherein the hints comprise at least one of decoding, segmentation, and filtering hints.

54. (New) The apparatus defined in Claim 53 wherein the sideband information comprises security information.

55. (New) The apparatus defined in Claim 53 wherein the sideband information comprises codestream identification information.

56. (New) The apparatus defined in Claim 53 wherein the sideband information comprises post-processing hints.

57. (New) A method comprising:

receiving a codestream of compressed image data having sideband information hidden over marker segments for specifying predefined information, the sideband information being included in one or more marker segments along with the predefined information, such that a file size of the codestream remains substantially the same; and

decompressing the codestream based on the sideband information.